

PTO/SB/08A (08-03)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1

of 7

Complete if Known

Application Number	10/600,286
Filing Date	June 20, 2003
First Named Inventor	Guillermo C. Bazan
Art Unit	1637
Examiner Name	Riley, Jezia
Attorney Docket Number	51871-000003

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
JR	144	US- 4,948,843 A	08-14-1990	Roberts et al.	
	145	US- 4,950,587 A	08-21-1990	Roberts et al.	
	146	US- 5,408,109 A	04-18-1995	Heeger et al.	
	147	US- 5,612,221 A	03-18-1997	Simons et al.	
	148	US- 5,869,350 A	02-09-1999	Heeger et al.	
	149	US- 5,881,083 A	03-09-1999	Diaz-Garcia et al.	
	150	US- 5,968,762 A	10-19-1999	Jadamec et al.	
	151	US- 5,990,479 A	11-23-1999	Weiss et al.	
	152	US- 6,280,933 B1	08-28-2001	Glazer et al.	
	153	US- 6,534,329 B1	03-18-2003	Heeger et al.	
	154	US- 6,743,640 B1	06-01-2004	Whitten	
	155	US- 2002/0009728 A1	01-24-2002	Bittner	
	156	US- 2002/0034747 A1	03-21-2002	Bruchez	
	157	US- 2002/0150759 A1	10-17-2002	Jones	
	158	US- 2002/0177136 A1	11-28-2002	McBranch	
	159	US- 2003/0054413 A1	03-20-2003	Kumaraswamy	
JR	160	US- 2004/0241768 A1	12-02-2004	Whitten	
	161	US- 60/202,647	05-08-2000	Whitten	
	162	US- 60/226,902	08-23-2000	Whitten	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
JR	163	WO 99/35288 A1	07-15-1999	Minnesota Mining and Manufacturing Company		
	164	WO 00/14278 A1	03-16-2000	The Secretary of State for Defence		
	165	WO 00/66790 A1	11-09-2000	The Regents of the University of California		
	166	WO 02/081735 A2	10-17-2002	Infecto Diagnostic (I.D.I.) Inc.		
JR	167	WO 2004/001379 A2	12-31-2003	The Regents of the University of California		

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Examiner Name	Riley, Jezia
Attorney Docket Number	51871-000003

Sheet	2	of	7
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U. S. PATENT DOCUMENTS

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3

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JR	174	Wang et al., "Size-Specific Interactions Between Single- and Double-Stranded Oligonucleotides and Cationic Water-Soluble Oligofluorenes", Adv. Funct. Mater., June 2003, 13(6), 463-467.	
JR	175	Stork et al., "Energy Transfer in Mixtures of Water-Soluble Oligomers: Effect of Charge, Aggregation, and Surfactant Complexation", Adv. Mater., March 2002, 14(5), 361-366.	
JR	176	Leclerc, "Optical and Electrochemical Transducers Based on Functionalized Conjugated Polymers", Adv. Mater., 1999, 11(18), 1491-1498.	
JR	177	Balakin et al., "Conjugates of oligonucleotides with polyaromatic fluorophores as promising DNA probes", Biosensors & Bioelectronics, 1998, 13, 771-778.	
JR	178	Ho et al., "Colorimetric and Fluorometric Detection of Nucleic Acids Using Cationic Polythiophene Derivatives", Angew. Chem. Int. Ed., 2002, 41(9), 1548-1551.	
JR	179	McQuade et al., "Conjugated Polymer-Based Chemical Sensors", Chem. Rev., 2000, 100, 2537-2574.	
JR	180	Chen et al., "Highly sensitive biological and chemical sensors based on reversible fluorescence quenching in a conjugated polymer", PNAS, October 1999, 96(22), 12287-12292.	
JR	181	Liu et al., "Effect of Chromophore-Charge Distance in the Energy Transfer Properties of Water-Soluble Conjugated Oligomers", J. Am. Chem. Soc., 2003, 125, 6705-6714.	
JR	182	Gaylord et al., "DNA detection using water-soluble conjugated polymers and peptide nucleic acid probes", PNAS, August 2002, 99(17), 10954-10957.	
JR	183	Bronich et al., "Recognition of DNA Topology in Reactions between Plasmid DNA and Cationic Copolymers", J. Am. Chem. Soc., September 2000, 122(35), 8339-8343.	

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4

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JR	184	Chen et al., "Tuning the Properties of Conjugated Polyelectrolytes through Surfactant Complexation", J. Am. Chem. Soc., 2000, 122, 9302-9303.	
JR	185	Gaylord et al., "Water-Soluble Conjugated Oligomers: Effect of Chain Length and Aggregation on Photoluminescence-Quenching Efficiencies", J. Am. Chem. Soc., 2001, 123, 6417-6418.	
JR	186	Hong et al., "Water-Soluble Oligomer Dimers Based on Paracyclophane: A New optical Platform for Fluorescent Sensor Applications", J. Am. Chem. Soc., 2002, 124, 11868-11869.	
JR	187	Gaylord et al., "DNA Hybridization Detection with Water-Soluble Conjugated Polymers and Chromophore-Labeled Single-Stranded DNA", J. Am. Chem. Soc., 2003, 125, 896-900.	
JR	188	Zhou et al., "Fluorescent Chemosensors Based on Energy Migration in Conjugated Polymers: The Molecular Wire Approach to Increased Sensitivity", J. Am. Chem. Soc., 1995, 117, 12593-12602.	
JR	189	Zhou et al., "Methodology for Enhancing the Sensitivity of Fluorescent Chemosensors: Energy Migration in Conjugated Polymers", J. Am. Chem. Soc., 1995, 117, 7017-7018.	
JR	190	Hawkins et al., "Incorporation of a fluorescent guanosine analog into oligonucleotides and its application to a real time assay for the HIV-1 integrase 3'-processing reaction", Nucleic Acids Research, 1995, 23(15), 2872-2880.	
JR	191	Cardullo et al., "Detection of Nucleic Acid Hybridization by Nonradiative Fluorescence Resonance Energy Transfer", Proc. Natl. Acad. Sci. USA, December 1998, 85, 8790-8794.	
JR	192	Gallot et al., "Poly(L-lysine) containing azobenzene units in the side chains: influence of the degree of substitution on liquid crystalline structure and thermotropic behaviour", Liquid Crystals, 1997, 23(1), 137-146.	
JR	193	Wang et al., "Biosensors from conjugated polyelectrolyte complexes", PNAS, January 2002, 99(1), 49-53.	

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5

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JR	194	Liu et al., "Methods for strand-specific DNA detection with cationic conjugation polymers suitable for incorporation into DNA chips and microarrays", PNAS Early Edition, December 2004, p. 1-5	
JR	195	Vehse et al., "Light Amplification by Optical Excitation of a Chemical Defect in a Conjugated Polymer", Adv. Mater., June 2004, 16(12), 1001-1004.	
JR	196	Liu et al., "Shape-Adapable Water-Soluble Conjugated Polymers", J. Am. Chem. Soc., 2003, 125, 13306-13307.	
JR	197	Liu et al., "Interpolyelectrolyte Complexes of Conjugated Copolymers and DNA: Platforms for Multicolor Biosensors", J. Am. Chem. Soc., 2004, 126, 1942-1943.	
JR	198	Huang et al., "High-Efficiency, Environment-Friendly Electroluminescent Polymers with Stable High Work Function Metal as a Cathode: Green- and Yellow-Emitting Conjugated Polyfluorene Polyelectrolytes and Their Neutral Precursors", J. Am. Chem. Soc., 2004, 126, 9845-9853.	
JR	199	Service, "DNA Analysis: Microchip Arrays Put DNA on the Spot", The American Association for the Advancement of Science, October 1998, 282(5388), 396-399.	
JR	200	Southern, "DNA chips: analysing sequence by hybridization to oligonucleotides on a large scale", TIG, March 1996, 12(3), 110-115.	
JR	201	Epstein et al., "Microarray technology - enhanced versatility, persistent challenge", Current Opinion in Biotechnology, 2000, 11, 36-41.	
JR	202	Heeger et al., "Making Sense of polymer-based biosensors", PNAS, October 1999, 96(22), 12219-12221.	
JR	203	Patel et al., "Energy transfer analysis of Fos-Jun dimerization and DNA binding", Proc. Natl. Sci. USA, July 1994, 91, 7360-7364.	

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JR	204	Lohse et al., "Fluorescein-Conjugated Lysine Monomers for Solid Phase Synthesis of Fluorescents Peptides and PNA Oligomers", Bioconjugate Chem., 1997, 8, 503-509.	
JR	205	Smith et al., "The synthesis of oligonucleotides containing an aliphatic amino group at the 5' terminus: synthesis of fluorescent DNA primers for use in DNA sequence analysis", Nucleic Acids Research, 1985, 13(7) 2399-2412.	
JR	206	Wintermeyer et al., "Fluorescent Derivatives of Yeast tRNA(TM)", Eur. J. Biochem., 1979, 98, 465-475.	
JR	207	Lipshutz et al., "High density synthetic oligonucleotide arrays", Nature Genetics Supplement, January 1999, 21, 20-24.	
JR	208	Nilsson et al., "Chip solution detection of DNA hybridization using a luminescent zwitterionic polythiophene derivative", Nature Materials, June 2003, 2, 419-424 (Supplementary Information pp. 1-2).	
JR	209	Dore et al., "Fluorescent Polymeric Transducer for the Rapid, Simple, and Specific Detection of Nucleic Acids at the Zeptomole Level", J. Am. Chem. Soc., 2004, 126, 4240-4244.	
JR	210	Ranade et al., "High-Throughput Genotyping with Single Nucleotide Polymorphisms", Genome Research, 2001, 11, 1262-1268.	
JR	211	Schork et al., "Single nucleotide polymorphisms and the future of genetic epidemiology", Clin. Genet., 2000, 58, 250-264.	
JR	212	Wang et al., "Optically Amplified RNA-Protein Detection Methods Using Light-Harvesting Conjugated Polymers", Adv. Mater., September 2003, 15(17), 1425-1428.	
JR	213	Liu et al., "Homogeneous Fluorescents-Based DNA Detection with Water-Soluble Conjugated Polymers", Chem. Mater., 2004, 16, 4467-4476.	

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JR	214	Wolcott, "Advances in Nucleic Acid-Based Detection Methods", Clinical Microbiology Reviews, October 1992, 5(4), 370-386.	
JR	215	Umek et al., "Electronic Detection of Nucleic Acids, A Versatile Platform for Molecular Diagnostics", Journal of Molecular Diagnostics, May 2001, 3(2), 74-84.	
JR	216	Stevens et al., "Exciton dissociation mechanisms in the polymeric semiconductors poly(9,9-dioctylfluorene) and poly(9,9-dioctylfluorene-co-benzothiadiazole)", Physical Review B, April 2001, 63, 1-18.	
JR	217	Wang, "Survey and Summary From DNA biosensors to gene chips", Nucleic Acids Research, 2000, 28(16), 3011-3016.	
JR	218	Beier et al., "Versatile derivatisation of solid support media for covalent bonding on DNA-microchips", Nucleic Acids Research, 1999, 27(9), 1970-1977.	

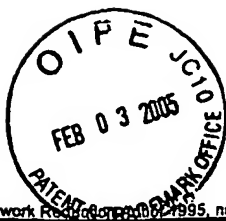
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JR	2	BARDEA, A. et al. Sensing and amplification of oligonucleotide-DNA interactions by means of Impedance spectroscopy: a route to a Tay-Sachs sensor; <i>Chem. Commun.</i> (1999) 21-22.	
JR	3	BAUR, J.W., et al. Thin-Film Light-Emitting Devices Based on Sequentially Adsorbed Multilayers of Water-Soluble Poly (p-phenylene)s; <i>Advanced Materials</i> (1998) 10:17:1452-1455.	
JR	4	BEHR, J.P. Synthetic Gene-Transfer Vectors; <i>Acc. Chem. Res.</i> (1993) 26: 274-278.	
JR	5	BEHR, J.P. DNA Strongly Binds to Micelles and Vesicles Containing Lipopolyamines or Lipointercalants; <i>Tetrahedron Lett.</i> (1986) 27:48:5861-5864.	
JR	6	BENSON, S.C. et al. Heterodimeric DNA-binding dyes designed for energy transfer: synthesis and spectroscopic properties; <i>Nucleic Acids Res.</i> (1993) 21:24:5727-5735.	
JR	7	BETTS, L., et al. A Nucleic Acid Triple Helix Formed by a Peptide Nucleic Acid-DNA Complex; <i>Science</i> (1995) 270: 1838-1841.	
JR	8	BHATTACHARYA, S. and MANDAL, S.S. Interaction of surfactants with DNA. Role of hydrophobicity and surface charge on Intercalation and DNA melting; <i>Biochim. et Biophys. Acta.</i> (1997) 1323:29-44.	
JR	9	BHATTACHARYA, S. and MANDAL, S.S. Role of hydrophobic effect and surface charge in surfactant-DNA association; <i>Indian J. Biochem. & Biophys.</i> (1997) 34:11-17.	
JR	10	BIER, F.F. and KLEINJUNG, F. Feature-size limitations of microarray technology - a critical review; <i>Fresenius J. Anal. Chem.</i> (2001) 371:151-156.	
JR	11	BIRNBOIM, H.C. and JEVCAR, J.J. Fluorometric Method for Rapid Detection of DNA Strand Breaks in Human White Blood Cells Produced by Low Doses of Radiation; <i>Cancer Res.</i> (1981) 41:1889-1892.	
JR	12	BLESSING, T. et al. Monomolecular collapse of plasmid DNA into stable virus-like particles; <i>Proc. Natl. Acad. Sci. USA</i> (1998) 95:1427-1431.	
JR	13	BRONICH, T.K. et al. Recognition of DNA Topology in Reactions between Plasmid DNA and Cationic Copolymers; <i>J. Am. Chem. Soc.</i> (2000) 122:35:8339-8343.	
	14	CARDULLO, R.A. et al. Detection of nucleic acid hybridization by nonradiative fluorescence resonance energy transfer; <i>Proc. Natl. Acad. Sci. USA</i> (1988) 85:8790-8794. <i>Duplicate</i>	

Examiner's Signature	/Jezia Riley/	Date Considered	05/30/2006
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet **2**of **11****Complete if Known**

Application Number	10/600,286
Filing Date	June 20, 2003
First Named Inventor	Guillermo C. Bazan
Art Unit	1637
Examiner Name	Riley, Jezia
Attorney Docket Number	51871-000003

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), data, page(s), volume-issue number(s), publisher city and/or country where published	T ²
JR	15	CASTRO, A. and WILLIAMS, J.G.K. Single-molecule detection of specific nucleic acid sequences in unamplified genomic DNA; <i>Anal. Chem.</i> (1997) 69:19:3915-3920.	
	16	CHANDAR, P. et al. Fluorescence probe Investigation of anionic polymer-cationic surfactant interactions; <i>Macromolecules</i> (1988) 21:950-953.	
	17	CHEHAB, F.F. and KAN, Y.W. Detection of specific DNA sequences by fluorescence amplification: A color complementation assay; <i>Proc. Natl. Acad. Sci. USA</i> (1989) 86:9178-9182.	
	18	CHEN, L. and FRANKEL, A.D. A peptide interaction in the major groove of RNA resembles protein interactions in the minor groove of DNA; <i>Proc. Natl. Acad. Sci. USA</i> (1995) 92:5077-5081.	
	19	CHEN, L. et al. Highly sensitive biological and chemical sensors based on reversible fluorescence quenching in a conjugated polymer; <i>Proc. Natl. Acad. Sci. USA</i> (1999) 96:22:12287-12292.	
	20	CHEN, W. et al. Using Ethidium Bromide to Probe the Interactions between DNA and Dendrimers; <i>Langmuir</i> (2000) 16:15-19.	
	21	DELLING, U. et al. The number of positively charged amino acids in the basic domain of Tat is critical for trans-activation and complex formation with TAR RNA; <i>Proc. Natl. Acad. Sci. USA</i> (1991) 88:6234-6238.	
	22	DEMIDOV, V.V. PNA and LNA throw light on DNA; <i>Trends in Biotechnology</i> (2003) 21:1:4-7.	
	23	DEMIDOV, V.V. et al. Stability of peptide nucleic acids in human serum and cellular extracts; <i>Biochem. Pharmacol.</i> (1994) 48:6:1310-1313.	
	24	DIDENKO, V.V. DNA Probes Using Fluorescence Resonance Energy Transfer (FRET): Designs and Applications; <i>BioTechniques</i> (2001) 31:5:1106-1121.	
	25	DOGARIU, A. et al. Time-resolved Förster energy transfer in polymer blends; <i>Synthetic Metals</i> (1999) 100:95-100.	
	26	DUFOURCO, J. et al. Molecular assembling of DNA with amphipathic peptides; <i>FEBS Lett.</i> (1998) 421:7-11.	
	27	EASTMAN, S.J. et al. Biophysical characterization of cationic lipid: DNA complexes; <i>Biochim. et Biophys. Acta</i> (1997) 1325:41-62.	
JR	28	EGHOLM, M. et al. PNA hybridizes to complementary oligonucleotides obeying the Watson-Crick hydrogenbonding rules; <i>Nature</i> (1993) 365:566-568.	

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	Application Number	10/600,286
	Filing Date	June 20, 2003
	First Named Inventor	Guillermo C. Bazan
	Art Unit	1637
	Examiner Name	Riley, Jezia
Sheet 3 of 11	Attorney Docket Number	51871-000003

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JR	29	EGHOLM, M. et al. Recognition of Guanine and Adenine in DNA by Cytosine and Thymine Containing Peptide Nucleic Acids (PNA); <i>J. Am. Chem. Soc.</i> (1992) 114:9677-9678.	
	30	ENGLEBIENNE, P. Synthetic materials capable of reporting biomolecular recognition events by chromic transition; <i>J. Mater Chem.</i> (1999) 9:1043-1054.	
	31	ESKILSSON, K. et al. DNA-Surfactant Complexes at Solid Surfaces; <i>Langmuir</i> (2001) 17:1666-1669.	
	32	FELGNER, P.L. et al. Nomenclature for Synthetic Gene Delivery Systems; <i>Hum. Gene Ther.</i> (1997) 8:511-512.	
	33	FERGUSON, B.Q. and YANG, D.C.H. Localization of Noncovalently Bound Ethidium in Free and Methionyl-tRNA Synthetase Bound tRNA ^{Met} by Singlet-Singlet Energy Transfer; <i>Biochemistry</i> (1986) 25:5298-5304.	
	34	FERNANDEZ-SALIZ, M. et al. A Cationic Cyclophane That Forms a Base-Pair Open Complex with RNA Duplexes; <i>J. Am. Chem. Soc.</i> (1996) 118:4739-4745.	
	35	FRANKEL, A.D. Peptide models of the Tat-TAR protein-RNA interaction; <i>Prot. Sci.</i> (1992) 1:1539-1542.	
	36	FUTAMI, J. et al. Optimum Modification for the Highest Cytotoxicity of Cationized Ribonuclease; <i>J. Biochem.</i> (2002) 132:223-228.	
	37	GALLEGO, J. and VARANI, G. Targeting RNA with Small-Molecule Drugs: Therapeutic Promise and Chemical Challenges; <i>Acc. Chem. Res.</i> (2001) 34:10:836-843.	
	38	GALLO, R and MONTAGNIER, L. AIDS in 1988; <i>Sci. Am.</i> (1988) 259:4: 41-48.	
JR	39	GANACHAUD, F. et al. Adsorption of Single-Stranded DNA Fragments onto Cationic Aminated Latex Particles; <i>Langmuir</i> (1997) 13:701-707.	
	40	GAYLORD, B. S. et al. DNA detection using water-soluble conjugated polymers and peptide nucleic acid probes; <i>Proc. Natl. Acad. Sci. USA</i> (2002) 99:17:10954-10957. <i>Duplicate</i>	
	41	GAYLORD, B.S. et al. Water Soluble Conjugated Oligomers: Effect of Chain Length and Aggregation on Photoluminescence-Quenching Efficiencies; <i>J. Am. Chem. Soc.</i> (2001) 123:6417-6418. <i>Duplicate</i>	
	42	GAYLORD, B.S. et al. DNA Hybridization Detection with Water-Soluble Conjugated Polymers and Chromophore-Labeled Single-Stranded DNA; <i>J. Am. Chem. Soc.</i> (2003) 125:896-900. <i>Duplicate</i>	
Examiner's Signature	/Jezia Riley/		Date Considered
			05/30/2006

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Substitute for form 1449/PTO		Complete if Known	
		Application Number	10/600,286
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Filing Date	June 20, 2003
		First Named Inventor	Guillermo C. Bazan
		Art Unit	1637
		Examiner Name	Riley, Jezia
		Attorney Docket Number	51871-000003
Sheet	4	of	11

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JR	43	GERSHON, H. et al. Mode of Formation and Structural Features of DNA-Cationic Liposome Complexes Used for Transfection; <i>Biochemistry</i> (1993) 32:7143-7151.	
JR	44	GIESEN, U. et al. A formula for thermal stability (T_m) prediction of PNA/DNA duplexes; <i>Nucleic Acids Res.</i> (1998) 26:21:5004-5006.	
JR	45	GÖSSL, L. et al. Molecular Structure of Single DNA Complexes with Positively Charged Dendronized Polymers; <i>J. Am. Chem. Soc.</i> (2002) 124:6860-6865.	G
JR	46	HAGE, D.S.. Immunoassays; <i>Anal. Chem.</i> (1999) 71:12:294R-304R.	
JR	47	HANVEY, J.C. et al. Antisense and Antigene Properties of Peptide Nucleic Acids; <i>Science</i> (1992) 258:1481-1485.	
JR	48	HARADA, A. and KATAOKA, K. Chain Length Recognition: Core-Shell Supramolecular Assembly from Oppositely Charged Block Copolymers; <i>Science</i> (1999) 283:65-67.	
	49	HO, H.A. et al. Colorimetric and Fluorometric Detection of Nucleic Acids Using Cationic Polythiophene Derivatives, <i>Angew. Chem. Int. Ed.</i> (2002) 41:9:1548-1551 <i>Duplicate</i>	
JR	50	IZUMRUDOV, V.A. et al. The influence of chain length of a competitive polyanion and nature of monovalent counterions on the direction of the substitution reaction of polyelectrolyte complexes; <i>Makromol. Chem., Rapid Commun.</i> (1988) 9:7-12.	
JR	51	IZUMRUDOV, V.A. et al. Competitive Reactions in Solutions of DNA and Water-Soluble Interpolyelectrolyte Complexes; <i>Biopolymers</i> (1995) 35:523-531.	
JR	52	IZUMRUDOV, V.A. et al. Competitive Displacement of Ethidium Cations Intercalated in DNA by Polycations; <i>Dokl. Phys. Chem.</i> (1995) 342:Nos. 4-6: 150-153.	
JR	53	IZUMRUDOV, V.A. et al. Ethidium Bromide as a Promising Probe for Studying DNA Interaction with Cationic Amphiphiles and Stability of the Resulting Complexes; <i>Langmuir</i> (2002) 18:10348-10356.	
JR	54	IZUMRUDOV, V.A. et al. Controllable Stability of DNA-Containing Polyelectrolyte Complexes in Water-Salt Solutions; <i>Biopolymers.</i> (1999) 52:94-108.	
JR	55	IZUMRUDOV, V.A. and ZHIRYAKOVA, M.V. Stability of DNA-containing interpolyelectrolyte complexes in water-salt solutions; <i>Macromol. Chem. Phys.</i> (1999) 200:11:2533-2540.	
JR	56	JAIN, C. and BELASCO, J.G. Rapid Genetic Analysis of RNA-Protein Interactions by Translational Repression in <i>Escherichia coli</i> ; <i>Methods Enzymol.</i> (2000) 318:309-332.	

Examiner's Signature	/Jezia Riley/	Date Considered	05/30/2006
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**INFORMATION DISCLOSURE
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Complete if Known

Application Number	10/600,286
Filing Date	June 20, 2003
First Named Inventor	Guillermo C. Bazan
Art Unit	1637
Examiner Name	Riley, Jezia
Attorney Docket Number	51871-000003

Sheet 5 of 11**NON PATENT LITERATURE DOCUMENTS**

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JR	57	JENKINS, Y. and BARTON, J.K. A Sequence-Specific Molecular Light Switch: Tethering of an Oligonucleotide to a Dipyridophenazine Complex of Ruthenium (II); <i>J. Am. Chem. Soc.</i> (1992) 114:8736-8738.	
	58	JOHANSSON, M.K. et al. Intramolecular Dimers: A New Strategy to Fluorescence Quenching in Dual-Labeled Oligonucleotide Probes; <i>J. Am. Chem. Soc.</i> (2002) 124:6950-6956.	
	59	KABANOV, A.V. et al. DNA Interpolyelectrolyte Complexes as a Tool for Efficient Cell Transformation; <i>Biopolymers</i> . (1991) 31:1437-1443.	
	60	KABANOV, A.V. and KABANOV, V.A. DNA Complexes with Polycations for the Delivery of Genetic Material into Cells; <i>Bioconjugate Chem.</i> (1995) 6:7-20.	
	61	KABANOV, V.A. et al. Cooperative Interpolyelectrolyte Reactions; <i>Makromol. Chem. Suppl.</i> (1985) 13:137-155.	
	62	KARN, J. et al. HIV A Practical Approach; RNA binding assays for the regulatory proteins Tat and Rev; <i>IRL Press, New York</i> ; (1995) 9:147-165.	
	63	KATAYOSE, S. and KATAOKA, K. Water-Soluble Polyion Complex Associates of DNA and Poly(ethylene glycol)-Poly(L-lysine) Block Copolymer; <i>Bioconjugate Chem.</i> (1997) 8:702-707.	
	64	KIRCHEIS, R. et al. Tumor targeting with surface-shielded ligand-polycation DNA complexes; <i>J. Controlled Release</i> ; (2001) 72:165-170.	
	65	KIRSH, Yu. E. et al. Comparison of Properties of an Oxime-Bound Partially Quaternized Poly-4-Vinylpyridine and a Monomer Analogous Oxime; <i>Eur. Polym. J.</i> (1974) 10:393-399.	
	66	KNEMEYER, J. et al. Probes for Detection of Specific DNA... <i>Anal. Chem.</i> (2000) 72:3717-3724	
JR	67	KWON, I.C. et al. Electrically Erodible polymer gel for controlled release of drugs; <i>Nature</i> (1991) 354:291-293.	
	68	LECLERC M. Optical and Electrochemical Transducers Based on Functionalized-Conjugated Polymers; Adv. Mater. (1999) 11:18:1404-1408. <i>Duplicate</i>	
JR	69	LEE, M.A. et al. ResonSense®: simple linear fluorescent probes for quantitative homogeneous rapid polymerase chain reaction; <i>Anal. Chim. Acta</i> (2002) 457:61-70.	
JR	70	LE-PECQ, J.B. and PAOLETTI, C. A Fluorescent Complex between Ethidium Bromide and Nucleic Acids; <i>J. Mol Biol.</i> (1967) 27:87-106.	

Examiner's
Signature

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Sheet 6

of 11

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JR	71	LEULLIOT, N. and VARANI, G. Current Topics in RNA-Protein Recognition: Control of Specificity and Biological Function through Induced Fit and Conformational Capture; <i>Biochemistry</i> (2001) 40:27:7947-7956.	
	72	LIU, B. et al. Effect of Chromophore-Charge Distance on the Energy Transfer Properties of Water-Soluble Conjugated Oligomers; <i>J. Am. Chem. Soc.</i> (2003) 125:6705-6714.	
	73	MAKINO, S. et al. Molecular Characterization and Protein Analysis of the cap Region, Which is Essential for Encapsulation in <i>Bacillus anthracis</i> ; <i>J. Bacteriol.</i> (1989) 171:2:722-730.	
	74	MANNING, G.S. Thermodynamic Stability Theory for DNA Doughnut Shapes Induced by Charge Neutralization; <i>Biopolymers</i> . (1980) 19:37-59.	
	75	MANNING, G.S. The Possibility of Intrinsic Local Curvature in DNA Toroids; <i>Biopolymers</i> . (1981) 20:1261-1270.	
	76	MANNING, G.S. The molecular theory of polyelectrolyte solutions with applications to the electrostatic properties of polynucleotides; <i>Qrtly Review of Biophysics</i> . (1978) v.11: 179-246.	
	77	MARUYAMA, A. et al. Characterization of Interpolyelectrolyte Complexes between Double-Stranded DNA and Polylysine Comb-Type Copolymers Having Hydrophilic Side Chains; <i>Bioconjugate Chem.</i> (1998) 9:292-299.	
	78	MATSUMOTO, C; et al. High-Throughput Screening Utilizing Intramolecular Fluorescence Resonance Energy Transfer for the Discovery of the Molecules that Bind HIV-1 TAR RNA Specifically; <i>Bioorg. Med. Chem. Lett.</i> (2000) 10:1857-1861.	
JR	79	MCLOUGHLIN, D.M. et al. A simple and effective separation and purification procedure for DNA fragments using Dodecyltrimethylammonium bromide; <i>Bioseparation</i> . (2001) 9:307-313.	
	80	MCQUADE, D.T. et al. Conjugated Polymer-Based Chemical Sensors; <i>Chem. Rev.</i> (2000) 100:2537-2574. Duplicate	
JR	81	MCQUADE, D.T. et al. Signal amplification of a "Turn-On" Sensor: Harvesting the Light Captured by a Conjugated Polymer; <i>J. Am. Chem. Soc.</i> (2000) 122:12389-12390.	
	82	MEL'NIKOV, S.M. et al. Discrete Coil - Globule Transition of Large DNA Induced by Cationic Surfactant; <i>J. Am. Chem. Soc.</i> (1995) 117:2401-2408.	
	83	MERGNY, J.L. et al. Fluorescence Energy Transfer between Two Triple Helix-Forming Oligonucleotides Bound to Duplex DNA; <i>Biochemistry</i> . (1994) 33:15321-15328.	
JR	84	MIAO, Y.J. et al. Photophysics of Poly(paracyclophan-1-ene) and Derivatives: Evidence for Intrachain Energy Transfer and Chromophore Aggregation; <i>J. Am. Chem. Soc.</i> (1995) 117:11407-11420.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/600,286
		Filing Date	June 20, 2003
		First Named Inventor	Guillermo C. Bazan
		Art Unit	1637
		Examiner Name	Riley, Jezia
Sheet 17 of 11	Attorney Docket Number	51871-000003	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher city and/or country where published	T ²
JR	85	MILLER, I.R. and BACH, D. Interaction of DNA with Heavy Metal Ions and Polybases: Cooperative Phenomena; <i>Biopolymers</i> . (1968) 6:169-179.	
	86	MINEHAN, D.S. et al. Kinetics of DNA Binding to Electrically Conducting Polypyrrole Films; <i>Macromolecules</i> . (1994) 27:777-783.	
	87	MORGAN, A.R. and PULLEYBLANK, D.E. Native and Denatured DNA, Cross-Linked and Palindromic DNA and Circular Covalently-Closed DNA Analysed by a Sensitive Fluorometric Procedure; <i>Biochem. Biophys. Res. Commun.</i> (1974) 61:2:396-403.	
	88	NIELSEN, P.E. Applications of peptide nucleic acids, <i>Analytical biotechnology</i> . (1999) 10:71-75.	
	89	NGUYEN, H-K, et al. Nonviral Transfer Technology: Evaluation of polyether-polyethyleneimine graft copolymers as gene transfer agents; <i>Gene Ther.</i> (2000) 7:126-138.	
	90	NISHANIAN, P. et al. A Simple Method for Improved Assay Demonstrates that HIV p24 Antigen is Present as Immune Complexes in Most Sera from HIV-Infected Individuals; <i>J. Infect. Dis.</i> (1990) 162:21-28.	
	91	NUOVO, G.J. <i>In Situ</i> Localization of PCR-Amplified DNA and cDNA; <i>Methods Mol. Bio.</i> (2000) 123:217-238.	
	92	OLINS, D.E. et al. Model Nucleoprotein Complexes: Studies on the Interaction of Cationic Homopolypeptides with DNA; <i>J. Mol. Biol.</i> (1967) 24:157-176.	
	93	PASTERNAK, R.F. et al. Long-Range Fluorescence Quenching of Ethidium Ion by Cationic Porphyrins in the Presence of DNA; <i>J. Am. Chem. Soc.</i> (1991) 113:6835-6840.	
	94	PATOLSKY, F. et al. Amplified DNA Detection by Electrogenenerated Biochemiluminescence and by the Catalyzed Precipitation of an Insoluble Product on Electrodes in the Presence of the Doxorubicin Intercalator; <i>Angew. Chem. Int. Ed.</i> (2002) 41:18:3398-3402.	
JR	95	PATOLSKY, F. et al. Electronic Transduction of DNA Sensing Processes on Surfaces: Amplification of DNA Detection and Analysis of Single-Base Mismatches by Tagged Liposomes; <i>J. Am Chem. Soc.</i> (2001) 123:5194-5205.	

Examiner's Signature	/Jezia Riley/	Date Considered	05/30/2006
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/600,286
		Filing Date	June 20, 2003
		First Named Inventor	Guillermo C. Bazan
		Art Unit	1637
		Examiner Name	Riley, Jezia
Sheet 8 of 11	Attorney Docket Number	51871-000003	

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missing JR	96	PETERLINZ, K.P. et al. Observation of Hybridization and Dehybridization of Thiol-Tethered DNA using Two-Color Surface Plasmon Resonance Spectroscopy; <i>J. Am. Chem. Soc.</i> (1997) 119:3401-3402.	
	97	PETTY, J.T. et al. Thermodynamic Characterization of the Association of Cyanine Dyes with DNA; <i>J. Phys. Chem. B.</i> (2000) 104:7221-7227.	
	98	PILIPENKO, E.V. et al. A cell cycle-dependent protein serves as a template-specific translation initiation factor; <i>Genes & Dev.</i> (2000) 14:2028-2045.	
	99	PINTO, M.R. and SCHANZE, K.S. Conjugated Polyelectrolytes: Synthesis and Applications; <i>Synthesis.</i> (2002) 9:1293-1309.	
	100	PLANK, C. et al. Branched Cationic Peptides for Gene Delivery: Role of Type and Number of Cationic Residues in Formation and <i>in Vitro</i> Activity of DNA Polyplexes; <i>Hum. Gene Ther.</i> (1999) 10:319-332.	
	101	PORTELA, A. and DIGARD, P. The influenza virus nucleoprotein: a multifunctional RNA-binding protein pivotal to virus replication; <i>J. Gen. Virol.</i> (2002) 83:723-734.	
	102	PUGLISI, J.D. et al. Conformation of the TAR RNA-Arginine Complex by NMR Spectroscopy; <i>Science.</i> (1992) 257:76-80.	
	103	PULLMAN, B. et al. Two Aspects of DNA Polymorphism and Microheterogeneity: Molecular Electrostatic Potential and Steric Accessibility; <i>J. Biochem.</i> (1982) 124:229-238.	
	104	RICHTER, S. et al. Specific HIV-1 TAR RNA Loop Sequence and Functional Groups are Required for Human Cyclin T1-Tat-TAR Ternary Complex Formation; <i>Biochemistry.</i> (2002) 41:6391-6397.	
	105	SAGHATELIAN, A. et al. DNA Detection and Signal Amplification via an Engineered Allosteric Enzyme; <i>J. Am. Chem. Soc.</i> (2003) 125:344-345.	
	106	SAIKI, R.K. et al. Enzymatic Amplification of β -Globin Genomic Sequences and Restriction Site Analysis for Diagnosis of Sickle Cell Enemia; <i>Science.</i> (1985) 230:1350-1354.	
JR	107	SCHORK, N.J. et al. Single nucleotide polymorphisms and the future of genetic epidemiology; <i>Clin. Genet.</i> (2000) 58:250-264.	

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 9

of 11

Complete if Known

Application Number	10/600,286
Filing Date	June 20, 2003
First Named Inventor	Guillermo C. Bazan
Art Unit	1637
Examiner Name	Riley, Jezia
Attorney Docket Number	51871-000003

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JR	108	SEYMOUR, L.W. et al. Cationic block copolymers as self-assembling vectors for gene delivery; <i>Self-assembling Complexes for Gene Delivery</i> ; (1998) 11:219-239.	
	109	SHINOZUKA, K. et al. A Novel Multifunctionality Labelled DNA Probe Bearing an Intercalator and a Fluorophore; <i>J. Chem. Soc., Chem. Commun.</i> (1994) 1377-1378.	
	110	DE SMEDT, S.C. et al. Cationic Polymer Based Gene Delivery Systems; <i>Pharm. Res.</i> (2000) 17:2:113-126.	
	111	SMITH, J.O. et al. Molecular Recognition of PNA-Containing Hybrids: Spontaneous Assembly of Helical Cyanine Dye Aggregates on PNA Templates; <i>J. Am. Chem. Soc.</i> (1999) 121:2686-2695.	
	112	SMITH, P. et al. Surfactant structure around DNA in aqueous solution; <i>Phys. Chem. Chem. Phys.</i> (2000) 2:1305-1310.	
	113	STENDER, H. et al. PNA for rapid microbiology; <i>J. Microbiological Methods.</i> (2002) 48:1-17.	
	114	STORK, M. et al. Energy Transfer in Mixtures of Water-Soluble Oligomers: Effect of Charge, Aggregation, and Surfactant Complexation; <i>Adv. Mater.</i> (2002) 14:5:361-366.	
	115	SU, X. et al. Au nanoparticle- and silver-enhancement reaction-amplified microgravimetric biosensor; <i>Chem. Commun.</i> (2001) 755-756.	
	116	SULLENGER, B.A. and GILBOA, E. Emerging clinical applications of RNA; <i>Nature.</i> (2002) 418:252-258.	
	117	TAKAKUSA, H. et al. Design and Synthesis of an Enzyme-Cleavable Sensor Molecule for Phosphodiesterase Activity Based on Fluorescence Resonance Energy Transfer; <i>J. Am. Chem. Soc.</i> (2002) 124:8:1653-1657.	
	118	TAMILARASU, N. et al. A New Strategy for Site-Specific Protein Modification: Analysis of a Tat Peptide-TAR RNA Interaction; <i>Bioconjugate Chem.</i> (2001) 12:2:135-138.	
	119	TANG, M.X. and SZOKA, F.C. The influence of polymer structure on the interactions of cationic polymers with DNA and morphology of the resulting complexes; <i>Gene Ther.</i> (1997) 4:823-832.	
	120	DEMERS, L.M. et al. Thermal Desorption; J. Am. Chem. Soc. (2002) 124: 11742-11749	
JR	121	TATON, T.A. et al. Scanometric DNA Array Detection with Nanoparticle Probes; <i>Science.</i> (2000) 289:1757-1760.	

Examiner's
Signature

/Jezia Riley/

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	Application Number	10/600,286
	Filing Date	June 20, 2003
	First Named Inventor	Guillermo C. Bazan
	Art Unit	1637
	Examiner Name	Riley, Jezia
Sheet 10 of 11	Attorney Docket Number	51871-000003

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JR	122	TATON, T.A. et al. Two-Color Labeling of Oligonucleotide Arrays via Size-Selective Scattering of Nanoparticle Probes; <i>J. Am. Chem. Soc.</i> (2001) 123:5164-5165.	
	123	TOMAC, S. et al. Ionic Effects on the Stability and Conformation of Peptide Nucleic Acid Complexes; <i>J. Am. Chem. Soc.</i> (1996) 118:5544-5552.	
	124	TRASER, S. et al. Syntheses and solution properties of water-soluble poly(p-phenylene)s bearing oligo(ethylene oxide) and trialkylamino side groups; <i>e-Polymers</i> . (2002) 32:1-39.	
	125	UMEK, R.M. et al. Electronic Detection of Nucleic Acids - A Versatile Platform for Molecular Diagnostics; <i>J. Mol. Diag.</i> (2001) 3:2:74-84.	
	126	VAISHNAV, Y.N. and WONG-STAAAL, F. The Biochemistry of Aids; <i>Ann. Rev. Biochem.</i> (1991) 60:577-630.	
	127	VARANI, G. RNA-Protein Intermolecular Recognition; <i>Acc. Chem. Res.</i> (1997) 30:5:189-195.	
	128	VINOGRADOV, S.V. et al. Self-Assembly of Polyamine-Poly(ethylene glycol) Copolymers with Phosphorothioate Oligonucleotides; <i>Bioconjugate Chem.</i> (1998) 9:805-812.	
	129	WANG, J. et al. Photoluminescence of Water-Soluble Conjugated Polymers: Origin of Enhanced Quenching by Charge Transfer; <i>Macromolecules</i> . (2000) 33:5153-5158.	
	130	WANG, J. et al. DNA Electrochemical Biosensor for the Detection of Short DNA Sequences Related to the Human Immunodeficiency Virus; <i>Anal. Chem.</i> (1996) 68:15:2629-2634.	
JR	131	ISOLA, N.R. et al. Surface-Enhanced Raman Gene Probe for HIV Detection; <i>Anal. Chem.</i> (1998) 70:1352-1356.	
	132	WANG, J. Survey and Summary From DNA biosensors to gene chips; <i>Nucleic Acid Res.</i> (2000) 28:16:3044-3046.	
JR	133	WANG, J. et al. Dendritic Nucleic Acid Probes for DNA Biosensors; <i>J. Am. Chem. Soc.</i> (1998) 120:8281-8282.	
	134	WANG, J. et al. Synthesis of AB(BA), ABA and BAB Block Copolymers of tert-Butyl Methacrylate (A) and Ethylene Oxide (B); <i>J. Polym. Sci., Part A: Polym. Chem.</i> (1992) 30:2251-2261.	
	135	WANG, Y. et al. Interaction of DNA with Cationic Micelles: Effects of Micelle Surface Charge Density, Micelle Shape, and Ionic Strength on Complexation and DNA Collapse; <i>Langmuir</i> . (2001) 17:1670-1673.	
	136	WARING, M. J. Complex Formation between Ethidium Bromide and Nucleic Acids; <i>J. Mol. Biol.</i> (1965) 13:269-282.	
JR	137	WEEKS, K.M. et al. Fragments of the HIV-1 Tat Protein Specifically Bind TAR RNA; <i>Science</i> . (1990) 249:1281-1285.	

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	139	WOLFERT, M.A. et al. Polyelectrolyte Vectors for Gene Delivery: Influence of Cationic Polymer on Biophysical Properties of Complexes Formed with DNA; <i>Bioconjugate Chem.</i> (1999) 10:993-1004.	
	140	WYMAN, T.B. et al. Design, Synthesis, and Characterization of a Cationic Peptide that Binds to Nucleic Acids and Permeabilizes Bilayers; <i>Biochemistry.</i> (1997) 36:3008-3017.	
	141	XU, X.H. and BARD, A.J. Immobilization and Hybridization of DNA on an Aluminum(III) Alkanebisphosphonate Thin Film with Electrogenated Chemiluminescent Detection; <i>J. Am. Chem. Soc.</i> (1995) 117:2627-2631.	
	142	YANG, J.S. and SWAGER, T.M. Fluorescent Porous Polymer Films as TNT Chemosensors: Electronic and Structural Effects; <i>J. Am. Chem. Soc.</i> (1998) 120:11864-11873.	
JR	143	JUNHUI, Z. et al. DNA Based Biosensors; <i>Biotechnol. Adv.</i> (1997) 15:43-58.	
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